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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NUMBER CMT-0069 SERIAL NUMBER 10/584,983 FILED 6/30/2006
FIRST INVENTOR: Taehwan KWAK TITLE OBESITY AND METABOLIC SYNDROME
TREATMENT WITH TANSINONE DERIVATIVES WHICH INCREASE METABOLIC
ACTIVITY EXAMINER NYA ART UNIT NYA

1. ☒ Applicant submits herewith a copy of (a) attached form PTO-1449, which lists all patents, publications, applications, or other information submitted for consideration by the Office; (b) a legible copy of each document required by 37 C.F.R. §1.98(b)(2).
2. ☐ Applicant herein apprises the Patent Office of references cited in a parent U.S. application from which this application obtains the benefit of an earlier filing date under 35 U.S.C. §120. The Serial Number of the parent application is U.S. Application _____ filed _____ and entitled _____.
The publications cited therein are listed on attached Form PTO-1449. In accordance with 37 C.F.R. §1.98(d) copies of the listed publications are not required. ☐ Additional parent patent applications are listed on an attached sheet.
3. ☒ In accordance with 37 C.F.R. §1.98(a)(3), Applicant hereby certifies that for each reference not in English (check at least one box below):
☐ A copy of a translation of one or more non-English document, or portion thereof, is provided herewith;
☐ A concise explanation is (check at least one box below):
☒ provided in the accompanying foreign or international search report; ☐ incorporated into the specification; and/or ☒ provided herewith.

37 C.F.R. §1.97(b)(1), (b)(2) – WITHIN 3 MONTHS OF FILING OR ENTRY IN NATIONAL STAGE

4. ☐ Since this Information Disclosure Statement is being filed within three months of the filing date of the subject application or within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(b)(3), (b)(4) – PRIOR TO MAILING OF FIRST OFFICE ACTION OR FIRST ACTION AFTER REQUEST FOR CONTINUED EXAMINATION

5. ☒ Since this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114, no fee or certification under 37 C.F.R. §1.97(e) is required.

37 C.F.R. §1.97(c) – AFTER FIRST ACTION, BEFORE FINAL ACTION OR ALLOWANCE

6. ☐ Since this Information Disclosure Statement is being filed outside of the period provided for in 37 C.F.R. §1.97(b), but before the mailing date of a Final Rejection or Notice of Allowance, this submission is being accompanied by (one of the following boxes must be checked):
- a. ☐ the fee required under 37 C.F.R. §1.97(c)(2) and specified in 37 C.F.R. §1.17(p).
- b. ☐ the statement specified in 37 C.F.R. §1.97(e) (Box 8 or 9 must be checked).

37 C.F.R. §1.97(d) – AFTER FINAL REJECTION OR ALLOWANCE

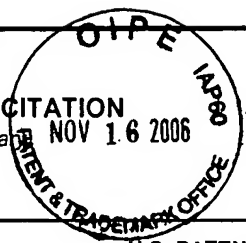
7. ☐ Since this Information Disclosure Statement is being filed after the period specified in 37 C.F.R. §1.97(c), but on or before payment of the issue fee and is accompanied by both the statement specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p). (Box 8 or 9 must be checked.)
8. ☐ In accordance with 37 C.F.R. §1.97(e)(1), Applicant's attorney certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. ☐ The foreign or international search report(s) is/are enclosed.
9. ☐ In accordance with 37 C.F.R. §1.97(e)(2), Applicant's attorney certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of the information disclosure statement.
10. ☒ In the event the Commissioner of Patents deems that any additional fee is required under 37 C.F.R. §§ 1.16 or 1.17 in connection with this application, Applicant's attorneys authorize that such fee be charged to Deposit Account No. 06-1130.
11. Consideration of this Information Disclosure Statement is respectfully requested.

Name:	<u>Amy Bizon-Copp</u>	Registration Number	<u>53,993</u>
Signature	<u>Amy Bizon-Copp</u>	Date	<u>11-13-2006</u>
CERTIFICATE OF MAILING OR TRANSMISSION: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or [] facsimile transmitted to the U.S. Patent and Trademark Office to Facsimile No. _____ on the date shown below.			
Name	<u>Desiree Bodo</u>		
Signature	<u>Desiree Bodo</u>	Date	<u>11-13-2006</u>



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



ATTY DOCKET NO.

CMT-0069

APPLICATION NO.

10/584,983

APPLICANT(S)

Taehwan KWAK, et al.

FILING DATE

6-30-2006

GROUP ART UNIT

NYA

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	20030114431	6-19-2003	GIROUARD	514	182	8-26-2002

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	1020010019147	3-15-2001	KOREA w/English Abstract				
	1020040084482	10-6-2004	KOREA w/English Abstract				
	1020000027306	5-15-2000	KOREA w/English Abstract				

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		Stimulation of AMP-Activated Protein Kinase (AMPK) Is Associated with Enhancement of Glut 1-Mediated Glucose Transport; Author: Abbud, et al.; Arch. Biochem. Biophys.; vol. 380, pp. 347-352, 2000
		Regulation of muscle GLUT-4 transcription by AMP-activated protein kinase; Author: Zheng, et al.; J. Appl. Physiol.; vol. 91, pp. 1073-1083, 2001

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. CMT-0069	APPLICATION NO. 10/584,983
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							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
			Coordinate Regulation of Malonyl-CoA Decarboxylase, sn-Glycerol-3-phosphate Acyltransferase, and AcetylCoA Carboxylase by AMP-activated Protein Kinase in Rat Tissues in Response to Exercise; Author: Park, et al.; J. Biol. Chem.; vol. 277, pp. 32571-32577, 2002
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							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
			Mechanism for Fatty Acid "Sparing" Effect on Glucose-induced Transcription; Author: Kawagachi, et al.; J. Biol. Chem.; vol. 277, pp.3829-3835,2002
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							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
			AMP Kinase and Malonyl-COA: Targets for Therapy of the Metaolic Syndrome; Author: Ruderman, et al.; Nature drug discovery; vol. 3,pp. 340-351, April 2004					
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			AMP-activated protein kinase phosphorylation of endothelial NO synthase; Author: Chen, et al.; FEBS Letters 443,pp. 285-289, 1999
			Coordinated reduction of genes of oxidative metabolism in humans with insulin resistance and diabetes: Potential role of PGC1 AND NRF1, Author: Patti, et al.;PNAS ;vol. 100, No. 14; pp. 8466-8471, 2003

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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional)

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INTERNATIONAL SEARCH REPORT ; International Applicaton No. PCT/KR2004/003546; International Filing date: December 30, 2004; Date of Mailing March 11, 2005 (All references cited in Search Report are listed above)

Written Opinion for Application No. PCT/KR2004/003546 dated December 30, 2004

International Preliminary Exam Report for Application No. PCT/KR2004/003546 dated December 30, 2004

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